

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Georgia

Primary Renewable Energy Capacity Source	Hydro Conventional
Primary Renewable Energy Generation Source	Wood/Wood Waste
<u>Capacity (megawatts)</u>	<u>Value</u>
	<u>Percent of State Total</u>
Total Net Summer Electricity Capacity	36,456
Total Net Summer Renewable Capacity	2,642
Geothermal	-
Hydro Conventional	2,041
Solar	-
Wind	-
Wood/Wood Waste	591
MSW/Landfill Gas	10
Other Biomass	-
<u>Generation (thousand megawatthours)</u>	
Total Electricity Net Generation	136,173
Total Renewable Net Generation	4,927
Geothermal	-
Hydro Conventional	2,145
Solar	-
Wind	-
Wood/Wood Waste	2,660
MSW Biogenic/Landfill Gas	31
Other Biomass	90

* = Absolute percentage less than 0.05.

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Capacity: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." Generation: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Georgia

Energy Source	2004	2005	2006	2007	2008
Fossil	27,093	28,283	28,238	28,096	28,078
Coal	13,488	13,465	13,438	13,275	13,256
Petroleum	1,252	2,185	2,182	2,169	2,187
Natural Gas	12,353	12,633	12,618	12,652	12,635
Other Gases	-	-	-	-	-
Nuclear	4,053	4,060	4,060	3,995	4,061
Renewables	2,517	2,513	2,526	2,706	2,642
Pumped Storage	1,675	1,675	1,675	1,675	1,675
Other	-	-	-	-	-
Total	35,338	36,531	36,499	36,472	36,456

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies. For cofired plants, all of the capacity is assigned to the primary energy source. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Georgia

Energy Source	2004	2005	2006	2007	2008
Geothermal	-	-	-	-	-
Hydro Conventional	2,012	2,014	2,027	2,032	2,041
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	457	450	450	621	591
MSW/Landfill Gas	5	5	5	10	10
Other Biomass	44	44	44	44	-
Total	2,517	2,513	2,526	2,706	2,642

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2004 - 2008
(Thousand Megawatthours)

Georgia

Energy Source	2004	2005	2006	2007	2008
Fossil	87,019	97,986	100,299	107,165	99,661
Coal	79,943	87,182	86,504	90,298	85,491
Petroleum	947	1,033	834	788	742
Natural Gas	6,130	9,771	12,961	16,079	13,428
Other Gases	-	-	-	-	-
Nuclear	33,748	31,534	32,006	32,545	31,691
Renewables	6,884	7,304	5,988	5,652	4,927
Pumped Storage	-878	-209	-400	-322	-157
Other	40	53	118	115	51
Total	126,813	136,668	138,010	145,155	136,173

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires, non-biogenic MSW and miscellaneous technologies. For cofired plants, generation is prorated on the basis of energy source shares. Totals may not equal sum of components due to independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2004 - 2008
(Thousand Megawatthours)

Georgia

Energy Source	2004	2005	2006	2007	2008
Geothermal	-	-	-	-	-
Hydro Conventional	3,692	4,032	2,569	2,236	2,145
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	3,108	3,195	3,362	3,362	2,660
MSW Biogenic/Landfill Gas	18	28	25	16	31
Other Biomass	66	49	32	37	90
Total	6,884	7,304	5,988	5,652	4,927

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.